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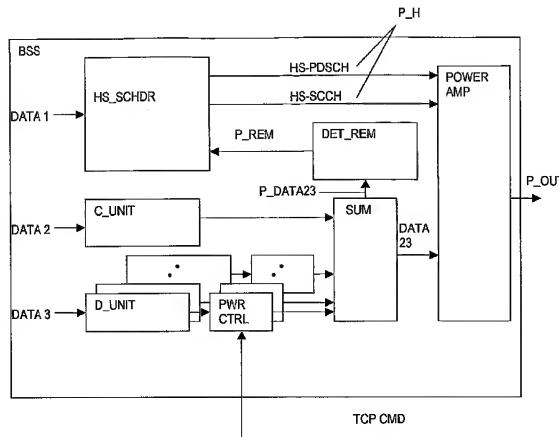
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(54) Title: POWER CONTROL FOR HIGH-SPEED PACKET DATA TRANSMISSION



(57) Abstract: A transmitting unit comprising a first unit (HS_SCHDR) receiving scheduled first data (DATA2, DATA3) for transmission on at least a first channel, a power control unit (PWR_CTRL) for the first channel responsive to a respective closed loop power regulation signal (TCP_CMD), under which at least the transmit power rate of change is limited to a predetermined value per time unit, a packet data scheduler (HS_SCHDR) scheduling second data packets (DATA1), such as HSPDA data, for transmission on at least a second channel at an actual power level ($P_H(t)$), and a power amplifier (POWER_AMP) amplifying and outputting the scheduled first and second data, whereby the outputted first and second channels are subject to interference from one another, is shown. A possible power ($P_{POS}(t)$) is determined at a given instance as the maximum value of either the actual power ($P_{HS}(t-1)$) at a previous instance or the possible power determined at a previous instance ($P_{POS}(t-1)$), decreasing the maximum value by a predetermined value (d). Moreover, a permitted power ($P_{PERM}(t)$) at a given instance as the maximum value of either the actual power of a previous instance ($P_{HS}(t-1)$) added with the predetermined value (d) or the determined possible power ($P_{POS}(t)$). Finally, the scheduling is performed within these limits.

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